LOTUS-G

Man Portable, Battery Operated
Long Range FPA Thermal Imaging Camera

High resolution, 3-5µm two dimensional FPA, 3 FOV Thermal Imaging camera with dual axis micro-scan for extremely long range observation applications.

The LOTUS-G is housed in a ruggedized case including the display, controls and battery compartment.
LOTUS-GL comprises a 9" aperture Extended Range Lens for longer ranges.

Main Features

- Extremely long range performance
- High sampling resolution
- 4:1 Micro-Scan
- Three FOVs
- Advanced detector technology
- Excellent image quality due to proprietary image processing ASIC
- Can be remotely controlled
- Battery powered
- Low power consumption
- Ruggedized housing
- Designed and tested for harsh battlefield environmental conditions

LOTUS-GL

Applications

- Intelligence observation units
- Border surveillance
- Coastal surveillance

Long range night Sight for:

- Laser designators
- Target acquisition systems
- Ground to ground weapon systems
- Long range air defence systems

elop
Electro-Optics Industries Ltd.

A Subsidiary of Elbit SYSTEMS

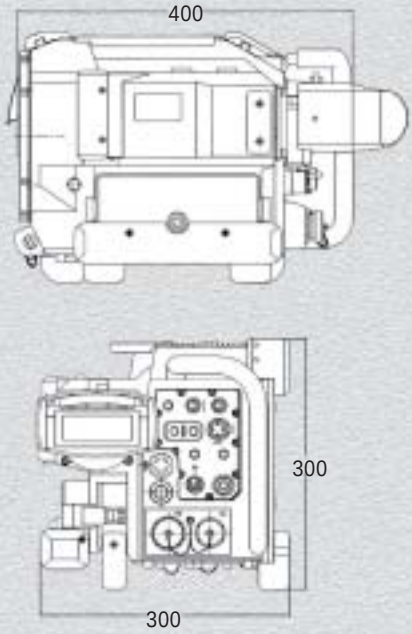
Catalog Number: 6520

LOTUS-G

Man Portable, Battery Operated
Long Range FPA Thermal Imaging Camera

Technical Data

Spectral Band	3 - 5 µm
Entrance Aperture	150 mm
Fields of View	
• Wide	6.6° x 5.3°
• Medium	2.0° x 1.6°
• Narrow	0.6° x 0.5°
Detector	InSb, 320 x 256 elements FPA
Cooler	Closed cycle, integral with Dewar
Micro-Scan	4:1
Video Output	CCIR or RS170
Comm. Port	RS422
Power	24 VDC, 25 W, Complies with MIL-STD-1275
Power Source	Disposable Li batteries Rechargeable NiMH batteries External 24 VDC power source
Weight	12 kg
MTBF	> 2000 hours
Operating Temperature	-30°C to 55°C



Note: Parameters may be altered to comply with customer specifications.

EL-OP - ELECTRO-OPTICS INDUSTRIES LTD. reserves the right to make such alterations in design, dimensions, specifications, and manufacture as are deemed necessary to ensure continued improvement.

elop Electro-Optics Industries Ltd.

A Subsidiary of Elbit Systems

Advanced Technology Park, Kiryat Weizmann
P.O.B 1165 Rehovot 76111, ISRAEL
Tel: 972-8-9386741, Fax: 972-8-9386714
E-mail: elopti@netvision.net.il
Internet site: http://www.el-op.co.il

Sh.Or, E.M. LOTUS-G 6/02